

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A data reproduction apparatus comprising:

pickup means for picking up data of a sector from a recording medium;

sector detecting means for detecting a sector, and for creating a first reproduction control information indicating the sector to be reproduced;

~~a reproduction means for reproducing MPEG data according to the MPEG (Moving Picture Experts Group) standard to which address information is added by the sector from a recording medium;~~

~~the first reproduction control information creating means for creating the first reproduction control information to show whether this is MPEG data which will be regenerative signal by the use of the address information added to the MPEG data reproduced by said reproduction means;~~

~~a storage means for storing MPEG said data;~~

~~an error correction means for correcting errors of MPEG said data designated as MPEG data to be regenerative signal by said first reproduction control information out of MPEG data reproduced by said reproduction means and stored in said storage means for a predetermined number of sectors, and for storing the corrected MPEG data in said storage means;~~

stream detecting means for detecting a sector that includes at least intra picture data and for creating the second reproduction control information creating means that creates the a second reproduction control information designating MPEG data that will be regenerative signal out of

~~the MPEG data indicating the sector that includes said at least intra picture data corrected by said correction means depending on the starting point of each picture;~~

a decoding means for decoding ~~the MPEG~~ a part of said data corrected by said correction means and stored in said storage means referring to said first reproduction control information and said second reproduction control information in case of a rapid reproduction, and for outputting ~~the same~~ said part of said data as a regenerative signal; and

a control means for controlling to stop the process of storing data in said storing means and to stop the process of error correction by said correction means referring to said ~~that outputs a part of MPEG data out of the MPEG data stored in said storing means to said decoding means and thus controls a rapid reproduction by referring to the second reproduction control information produced by said second reproduction control information creating means.~~

2. (Original) The data reproduction apparatus according to claim 1 wherein said storage means is a ring buffer and stores MPEG data reproduced from said recording medium by said reproduction means at least enough to fill a track or MPEG data processed for error correction by said error correction means at least enough to fill a track.

3. (Currently Amended) The data reproduction apparatus according to claim 2 wherein said controlling means controls a data output pointer of said ring buffer based on the second reproduction control information created by said ~~second reproduction control information~~ creating stream detecting means.

4. (Currently Amended) The data reproduction apparatus according to claim ~~1~~ 2

wherein said first reproduction control information ~~created by said first reproduction control information creating means and the~~ and said MPEG data arranged by the sector are linked and stored in said storage means, and said correction means corrects an error of MPEG data linked with ~~the~~ said first reproduction control information and stored in said storage means, and

wherein said second reproduction control information ~~created by said second reproduction control information creating means and the~~ MPEG data arranged by the sector are linked and stored in said storage means, and said ~~control~~ decoding means controls in such a manner that MPEG data linked with ~~the~~ said second reproduction control information and stored in said storage means may be reproduced.

5. (Currently Amended) The data reproducing apparatus according to claim 1 further comprising:

a-storage control means for controlling the input and output of MPEG data stored in said storing means, and

wherein said storage control means rearranges MPEG data reproduced from said recording medium by said reproduction means and having a data structure sequentially arranged by MPEG data and parity data, and stores the same in said storage means.

6. (Currently Amended) The data reproducing apparatus according to claim 1 wherein said sector detecting means ~~first reproduction control information creating means~~ creates information indicating MPEG data outputted as regenerative signal as the first reproduction

control information based on a sector address information added to each sector of ~~the said~~ MPEG data reproduced by said reproducing means.

7. (Currently Amended) The data reproducing apparatus according to claim 1 wherein said recording medium is an optical memory disk reproducing data by the irradiation of light and ~~said reproduction-pickup means consists of~~ includes an optical pickup.

8. (Original) The data reproducing apparatus according to claim 1 wherein picture signals are recorded in said recording medium.

9. (Canceled)

10. (Currently Amended) A data reproduction method comprising the steps of:  
picking up data of a sector from a recording medium;  
creating a first reproduction control information indicating said sector to be reproduced;  
~~reproducing the MPEG data according to the MPEG (Moving Picture Experts Group)~~  
~~standard to which address information is added by the sector from a recording medium;~~  
~~creating the first reproduction control information to show whether these are MPEG data~~  
~~which will be regenerative signals by the use of the address information of the reproduced~~  
~~MPEG data;~~  
storing said data in a buffer;  
~~correcting error of the MPEG said data designated as MPEG data to be regenerative~~  
~~signal by said first reproduction control information;~~

storing the corrected data in said buffer;

detecting a sector that includes at least intra picture data;

creating the a second reproduction control information designating MPEG data that will be regenerative signal out of the MPEG data indicating the sector which includes said at least intra picture data corrected depending on the starting point of each picture; and

decoding a part of MPEG said data out of MPEG data corrected by referring to said first reproduction control information and said second reproduction control information for rapid reproduction; and

controlling to stop the process of storing data and to stop the process of error correction referring to said second reproduction control information.

11. (Original) The data reproduction method according to claim 10 wherein data reproduced at least enough to fill a track or data processed for error correction at least enough for a track are stored in a ring buffer.

12. (Original) The data reproduction method according to claim 11 wherein a data output pointer of said ring buffer is controlled based on said second reproduction control information.

13. (Currently Amended) The data reproduction method according to claim ~~10~~ 11 wherein,

said first reproduction control information is linked with the MPEG data by the sector and stored;

the MPEG data linked with said first reproduction control information are corrected;

said second reproduction information is linked with the MPEG data by the sector and stored; and

the MPEG data linked with said second reproduction control information is decoded for rapid reproduction.

14. (Original) The data reproduction method according to claim 10 wherein data reproduced from said recording medium and having a data structure in which MPEG data and parity data are arranged in succession are rearranged and stored in said ring buffer.

15. (Original) The data reproduction method according to claim 10 wherein information indicating MPEG data to be outputted as regenerative signal is created as the first reproduction control information based on sector address information added to each sector of the MPEG data reproduced.

16. (Original) The data reproduction method according to claim 10 wherein said recording medium is an optical memory disk that reproduces by the irradiation of light with an optical pickup.

17. (Original) The data reproduction method according to claim 10 wherein picture signals are recorded on said recording medium.

18. (Canceled)